ABSTRACT OF THE DISCLOSURE

A hot swappable system is described. It included software controlled hot swapping operations which provided a graceful booting or power-down of the system. In the even of force insertion or extraction of the system blades, a set of hardware features (such as using different pin lengths in the connectors and dampening resistor) prevents these types of operations from damaging the system hardware or affecting the operation states of other blades within the system.